APPLN. FILING DATE: JULY 15, 2003
TITLE: APPARATUS AND METHOD FOR RETRIEVING FACE

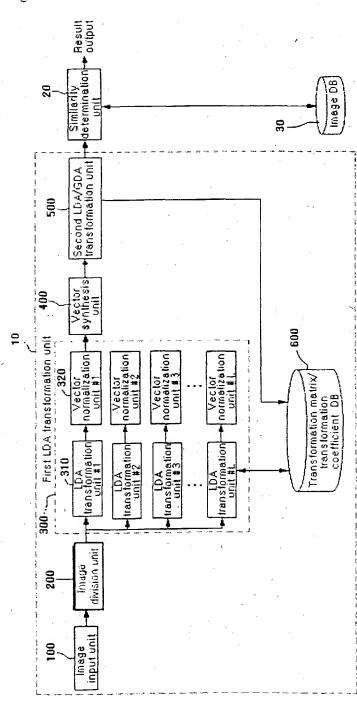
IMAGES USING COMBINED COMPONENT DESCRIPTORS

INVENTOR(S): TAEKYUN KIM ET AL.

ATTORNEY'S DOCKET NO: 033808-004

SHEET 1 of 6

Fig. 1



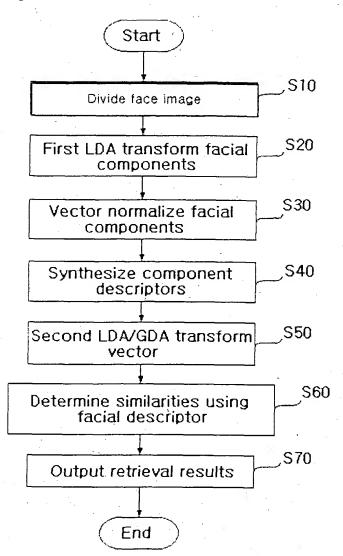
APPLN. FILING DATE: JULY 15, 2003

**TITLE:** APPARATUS AND METHOD FOR RETRIEVING FACE MAGES USING COMBINED COMPONENT DESCRIPTORS

INVENTOR(S): TAEKYUN KIM ET AL.

ATTORNEY'S DOCKET NO: 033808-004 SHEET 2 of 6

Fig. 2



APPLN. FILING DATE: JULY 15, 2003

**TITLE:** APPARATUS AND METHOD FOR RETRIEVING FACE IMAGES USING COMBINED COMPONENT DESCRIPTORS

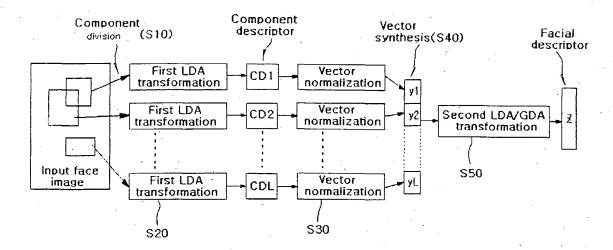
**INVENTOR(S):** TAEKYUN KIM ET AL.

ATTORNEY'S DOCKET NO: 033808-004

SHEET 3 of 6

Fig. 3

5



APPLN. FILING DATE: JULY 15, 2003

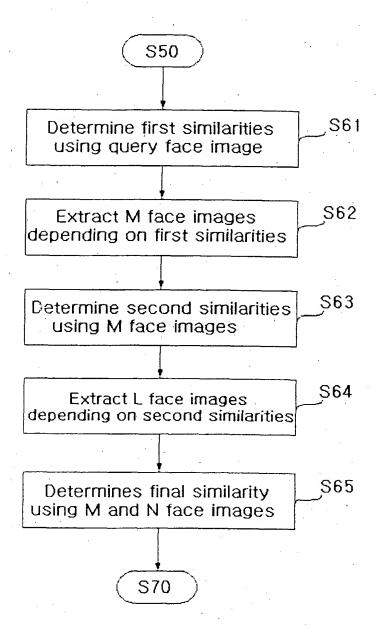
**TITLE:** APPARATUS AND METHOD FOR RETRIEVING FACE IMAGES USING COMBINED COMPONENT DESCRIPTORS

INVENTOR(S): TAEKYUN KIM ET AL.

ATTORNEY'S DOCKET NO: 033808-004

SHEET 4 of 6

Fig. 4



APPLN. FILING DATE: JULY 15, 2003
TITLE: APPARATUS AND METHOD FOR RETRIEVING FACE
IMAGES USING COMBINED COMPONENT DESCRIPTORS

Inventor(s): Taekyun kim et al. Attorney's Docket No: 033808-004 SHEET 5 of 6

Fig. 5a



Input face image

Fig. 5b



Divided face image

APPLN. FILING DATE: JULY 15, 2003

TITLE: APPARATUS AND METHOD FOR RETRIEVING FACE IMAGES USING COMBINED COMPONENT DESCRIPTORS

SHEET 6 of 6

INVENTOR(S): TAEKYUN KIM ET AL.

ATTORNEY'S DOCKET NO: 033808-004

Fig.6

Items	Experiment 1		Experiment 2		Experiment 3	
	ANMRR	FIR	ANMRR	FIR	ANMRR	FIR
<u> Holistic</u>	0.1448	0.0573	0.1267	0.0477	0.1950	0.0641
LDA -	0.1257	0.0467	0.0898	0.0222	0.1466	0.0368
LDA			= 1			
LDA -	0.1031	0.0358	0.0677	0.0168	0.1108	0.0239
GDA						